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Patent claims

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1. Electrically activatable valve with a device which, in the activated state and counter to the force of a valve spring, axially moves a valve stem with a valve member which interacts with a valve seat on a valve housing and determines the flow through the valve, the valve stem being guided in the valve housing and, with the valve housing, forming between its guiding part and the valve member an annular space into which a pressure passage opens, characterized in that the contact area (14) between the valve member (10) and the valve seat (13) is bounded at the outside by a step (15), which is adjoined by a guide surface (16).

2. Valve according to Claim 1, characterized in that the step (15) and the guide surface (16) are arranged on the valve member (10) and/or on the valve housing (2).

3. Valve according to Claim 1, characterized in that the step is formed by the edge of the valve member (10), which is surrounded by a separate baffle element which is connected to the valve housing (12) or to a stop (25) which limits the opening stroke of the valve member (10).

4. Valve according to Claim 3, characterized in that the baffle element (18) has radially oriented drainage passages (19, 21, 22, 23, 24) which connect a space (28) adjoining the valve member (10) to a return passage (27).

30 5. Valve according to one of Claims 3 or 4,
characterized in that drainage passages (20, 21) are
provided between the stop (25) and the valve member (10).

6. Valve according to one of the preceding claims, characterized in that the baffle element (18) is secured on the valve housing (2) by means of guide vanes (26) which are arranged downstream of the baffle element (18).

7. Valve according to one of Claims 1 to 5,

gddg!

add c3

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